1.	This international preliminary report on patentability (Chapter I) is issued by the International Bureau on behalf of the International Searching Authority under Rule 44 bis.1(a).					
2.	This REPORT consists of a total of 6 sheets, including this cover sheet.					
	In the attached sheets, any reference to the written opinion of the International Searching Authority should be read as a reference to the international preliminary report on patentability (Chapter I) instead.					
3.	3. This report contains indications relating to the following items:					
	Box No. I	Basis of the report				
	Вох №. П	Priority				
	Box No. III	Non-establishment of opinion with regard to novelty, inventive step and industrial applicability				
	Box No. IV	Lack of unity of invention				
	Box No. V	Reasoned statement under Article 35(2) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement				
	Box No. VI	Certain documents cited				
	Box No. VII	Certain defects in the international application				
	Box No. VIII	Certain observations on the international application				
4.	4. The International Bureau will communicate this report to designated Offices in accordance with Rules 44bis.3(c) and 93bis.1 but not, except where the applicant makes an express request under Article 23(2), before the expiration of 30 months from the priority date (Rule 44bis.2).					
			Date of issuance of this report 08 May 2006 (08.05.2006)			
	The International Burea		Authorized officer			
	34, chemin des Colo 1211 Geneva 20, Swi		Yoshiko Kuwahara			

Telephone No. +41 22 338 90 90

### PATENT COOPERATION TREATY

			PA	TENT COOPER	R.A	ATION TREAT	Y ,	Ra.	
From the		AL SEARCHIN	G AUTHOR	ITY				TV	S.
To:				PCT PCT					
			WRITTEN OPINION OF THE INTERNATIONAL SEARCHING AUTHORITY						
							(PCT Rule 4	33bis.1)	
						Date of mailing (day/month/year)	26.10.2	2004	
Applicate 533		gent's file reference	ce		FOR FURTHER ACTION  See paragraph 2 below				
Internati	ional ap	plication No.		International filing date	(day/month/year) Priority date (day/month/year)			r)	
		2004/012	617	25.08.2004			29.08.2	2003	
	D487			national classification at 985, A61P3/1					
DAI	DAINIPPON SUMITOMO PHARMA CO., LTD.								
1.	This o	pinion contains is	ndications rela	ting to the following item	15:	:			
Box No. I Basis of the opinion									
Box No. II Priority									
		Box No. III	Non-establi	shment of opinion with re	regard to novelty, inventive step and industrial applicability  bis.1(a)(i) with regard to novelty, inventive step or industrial tions supporting such statement  application				
1		Box No. IV		ty of invention					
ŀ		Box No. V							
	$\boxtimes$	Box No. VI	Certain doc	uments cited					
	님	Box No. VII	Certain defe	ects in the international ap					
Box No. VIII Certain observations on the internat			ional application						
2.						itten opinion of the			
	If a demand for international preliminary examination is made, this opinion will be considered to be a written opinion of International Preliminary Examining Authority ("IPEA") except that this does not apply where the applicant chooses an Authority of than this one to be the IPEA and the chosen IPEA has notified the International Bureau under Rule 66.1 bis(b) that written opinions this International Searching Authority will not be so considered.  If this opinion is, as provided above, considered to be a written opinion of the IPEA, the applicant is invited to submit to the IPEA written reply together, where appropriate, with amendments, before the expiration of 3 months from the date of mailing of FOPCT/ISA/220 or before the expiration of 22 months from the priority date, whichever expires later.					es an Authority other			
						submit to the IPEA a of mailing of Form			
	For fi	rther options, see	Form PCT/IS	SA/220.					
3.	For fi	ırther details, see	notes to Form	PCT/ISA/220.					
Name a	nd mail	ing address of the	: ISA/JP		_	Authorized officer			
Facsim	ile No.				Telephone No.				

International application No.
PCT/JP2004/012617

Box	No. I Basis of this opinion
1.	With regard to the language, this opinion has been established on the basis of the international application in the language in which it was filed, unless otherwise indicated under this item.
	This opinion has been established on the basis of a translation from the original language into the following language , which is the language of a translation furnished for the purposes of international search (under
	Rule 12.3 and 23.1(b)).
2.	With regard to any nucleotide and/or amino acid sequence disclosed in the international application and necessary to the claimed invention, this opinion has been established on the basis of:
	a. type of material
	a sequence listing
	table(s) related to the sequence listing
	b. format of material
	in written format
	in computer readable form
	c. time of filing/furnishing
	contained in the international application as filed.
	filed together with the international application in computer readable form.
	furnished subsequently to this Authority for the purposes of search.
3.	In addition, in the case that more than one version or copy of a sequence listing and/or table(s) relating thereto has been filed of furnished, the required statements that the information in the subsequent or additional copies is identical to that in the application a filed or does not go beyond the application as filed, as appropriate, were furnished.
4.	Additional comments:

International application No.
PCT/JP2004/012617

Box No. III Non-establishment of opinion with regard to novelty, inventive step and industrial applicability								
The questions whether the claimed invention appears to be novel, to involve an inventive step (to be non obvious), or to be indust applicable have not been examined in respect of:								
	the entire international application							
claims Nos. 21								
l	because:							
	the said international application, or the said claims Nos. 21 relate to the following subject matter which does not require an international preliminary examination (specify):							
	Claim 21 pertains to methods for treatment of the							
	human body by therapy and thus relates to subject							
	matter which this International Preliminary							
	Examination Authority is not required to examine.							
$\vdash \sqcap$	the description, claims or drawings (indicate particular elements below) or said claims Nos.							
	are so unclear that no meaningful opinion could be formed (specify):							
,								
İ								
$  \neg$								
▎	the claims, or said claims Nos. are so inadequately supported by the description that no meaningful opinion could be formed.							
	no international search report has been established for said claims Nos.							
	the nucleotide and/or amino acid sequence listing does not comply with the standard provided for in Annex C of the Administrative Instructions in that:							
	the written form has not been furnished							
	does not comply with the standard							
	the computer readable form has not been furnished							
	does not comply with the standard							
	the tables related to the nucleotide and/or amino acid sequence listing, if in computer readable form only, do not comply with the technical requirements provided for in Annex C-bis of the Administrative Instructions.							
	See Supplemental Box for further details.							

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Box		Reasoned statement under Rule 43bls.1(a)(i) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement				
1.	Statement					
	Novelty (N)	Claims	1-20	YES		
		Claims		NO		
	Inventive step (IS)	Claims	1-20	YES		
		Claims		NO		
	Industrial applicability (IA)	Claims	1-20	YES		
		Claims		NO.		

#### 2. Citations and explanations:

Document 1:

WO 02/068420 Al (Boehringer Ingelheim

Pharma KG), 6 September 2002

Document 2:

WO 02/24698 Al (Schering Corporation), 28

March 2002

### Claims 1-20

Neither document 1 or 2 discloses the compounds represented by formula (I) in claim 1, moreover this invention would not be obvious to a person skilled in the art. Furthermore, the use of said compounds in DPP-IV inhibitors or in treatment agents for diabetes is neither disclosed nor suggested in documents 1 and 2. Therefore, the invention set forth in claims 1-20 is novel and involves an inventive step.

International application No.
PCT/JP2004/012617

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ate Filing date var) (day/month/ye	Priority date (valid claim ear) (day/month/year)	
21.02.20	003 25.02.2002	
	Date of written disclosure referring to non-written disclosure (day/month/year)	